

ork Order ID 111762

uesday, January 21, 2014 11:34:48 AM

111762

TULMAR

ASAD

Page 1

Item ID: PB67-43001-35

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: Lower Pad Assembly

Stop

NS2

Start Date: 1/21/2014 Start Qty: 12.00

12

Cust Item ID:

Required Date: 3/14/2014 Req'd Qty: 12.00

12

Customer:

Reference:

Approvals:

Process Plan: mf

Date: 14-1-21

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
B67-43001-35	Rev C

100

100

FLOW WATER JET

Waterjet

Memo

FLOW CNC Waterjet

1-Cut as per Dwg B67-43001-341

Dwg Rev: C

Prog Rev: C

grain direction along 24.15"

2-Deburr if necessary

110

QC2- Inspect parts off machine FAI/FAIB

110

QC

Memo

Quality Control

0.00

0.00

0.00

0.00

18

0

Jm 14-02-3

18

0

Jm 14-02-3

2024.032

DQA:

Date: 14/04/91

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed:

Date: 14/3/28

Work Order update only ☐

Work Order: 111762	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☒ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS			
Part No. PB67-43001-J8		Skid-tube ☐	Crosstube ☐	Water Jet ☒	Engineering ☐
NCR No. 14-3573		Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐
		Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐
		Large Fab ☐	Composite ☐	Supplier ☒	

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data	14/3/94	100	12.	Foam: SBR/EPDM/CR BLEND, BLACK, ASTM D1056 ZAZ,	DAS 12 9-89 14/3/94	Acceptable deviation PART IS NOT AIRWORTHY.	DAS 12 9-89 14/3/94	14/03/28	14/03/28
Equip/Tooling									
Handling/Pre									
Material	☒			2L supply used wrong mat - - on PC					
Operator									
Offset/Setup									
Process									
Supplier	☒								
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge	☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Work Order ID 111762

Tuesday, January 21, 2014 11:34:48 AM

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Page 2

Item ID: PB67-43001-35

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Lower Pad Assembly

Start Date: 1/21/2014 Start Qty: 12.00

12

Cust Item ID:

Required Date: 3/14/2014 Req'd Qty: 12.00

12

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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120

QC8- Inspect parts - second check

0.00

120

QC

Memo

0.00

Quality Control

130

Small Fab

0.00

130

Small Fab

Memo

0.00

Small Fab

1- counter sink rivet holes as per dwg

140

NC BRAKE

0.00

140

Brake NC

Memo

0.00

Brake NC

Bend as per Dwg B67-43001

DAS
30
9-89DAS
36
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
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Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Work Order ID 111762

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111762

Page 3

Item ID: PB67-43001-35 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Lower Pad Assembly
Start Date: 1/21/2014 Start Qty: 12.00 ***12*** Cust Item ID:
Required Date: 3/14/2014 Req'd Qty: 12.00 ***12*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150	QC5- Inspect part completeness to step on W/O	0.00							
150									
QC	Memo	0.00				(18)	14.02.05		DAS 9 9-89
Quality Control									
160	Chemical Conversion Coat per QSI005 4.1	0.00							
160									
HandFinish	Memo	0.00				18	14.2.5		
Hand Finishing									
170	Green Sandtex(Ref:4.3.5.8) per QSI005 4.3	0.00							
170									
Powdercoat	Memo	0.00				18	14-26		DAS 34 9-89
Powder Coating	START TIME: 10:20 FINISH TIME: 10:30								

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
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Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Page 4

Accept

Setup **Start** ***NS1***

Stop *NS2*

12

Cust Item ID:

Start Date: 1/21/2014 **Start Qty:** 12.00

Required Date: 3/14/2014 **Req'd Qty:** 12.00

12

Customer:

Reference:

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Operation Description

Set Up/ Run Hours

Tool ID	Tool #	Plan Code
---------	--------	-----------

Accept Qty	Reject Qty	Reject Number	Insp. Stamp

180

QC3- Inspect Part Finish

0.00

180

QC

Memo

0.00

Quality Control

190

0.00

190

Small Fab

0.00

Small Fab

Memo

Small Fab

1- Assemble as per dwg B67-43001

200

QC5- Inspect part completeness to step on W/O

0.00

200

QC

Memo

Quality Control

DAS
27
19-89

0.00

14121

DAS
36
9-89

DAS
36
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence
		☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge
		☐ Pressure/Forced Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other

Work Order ID 111762

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Item ID: PB67-43001-35 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Lower Pad Assembly
Start Date: 1/21/2014 Start Qty: 12.00 ***12*** Cust Item ID:
Required Date: 3/14/2014 Req'd Qty: 12.00 ***12*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
210	PURCHASING	0.00							
210									
Purchasing	Memo	0.00							
Purchasing	SEND TO TALMAR FOR FOAM AND FABRIC								
220	Receive & Inspect for Damage & Mat'l Certs	0.00							
220									
Packaging	Memo	0.00							
Packaging									
230	QC6- Inspect dimensions to drawing	0.00							
230									
QC	Memo	0.00							
Quality Control									

P/O: 22997

CZ 14/02/13 - 18

18x 8214-3-27

14/3/27

18

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other _____ _____ _____
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Work Order ID 111762

Tuesday, January 21, 2014 11:34:48 AM

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Page 6

Item ID: PB67-43001-35 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Lower Pad Assembly
 Start Date: 1/21/2014 Start Qty: 12.00 ***12*** Cust Item ID:
 Required Date: 3/14/2014 Req'd Qty: 12.00 ***12*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
240	Identify as per dwg & Stock Location: _____	0.00							DAS
240									32
Packaging	Memo	0.00							9-89
Packaging									
250	QC21- Final Inspection - Work Order Release	0.00							
250									
QC	Memo	0.00							
Quality Control									

POSITIVE RECALL

EFFECTIVE 1/13/14 AUTH GP
 RELEASED S DATE 1/13/14

CHECK FOR DENSITY

MLC 14-03-28
 MLC 1403-23

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
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Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence
		☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge
		☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other

Picklist Print

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Page 1

Work Order ID: 111762

Parent Item: PB67-43001-35

Parent Item Name: Lower Pad Assembly

Start Date: 1/21/2014

Required Date: 3/14/2014

Start Qty: 12.00

Required Qty: 12.00

Comments: IPP Rev:A 08-06-20 new issue DD verified by:ec
dwg EC verified by:DD

IPP Rev C 10.09.28 per rev C

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M2024T3S.032 2024-T3 .032 sheet		Purchased	No			190	sf	363.8000	0.4192	10		Jm14-02-3	

Location Loc Qty Loc Code

MAT022 363.8
121309 7
123574 14
124987 10
M127668 332.8

MS20426AD3-3
RIVET

Purchased No

100 Each 2,614.0000

14 168

Location Loc Qty Loc Code

ST334 2614
123352 2614

MS21075L3
Nut Plate

MS21075L3N

Purchased No

100 Each 75.0000

7 84

Location Loc Qty Loc Code

GA 75
125646 75

DAS
36
9-89

DAS
36
9-89

M127993
1262

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

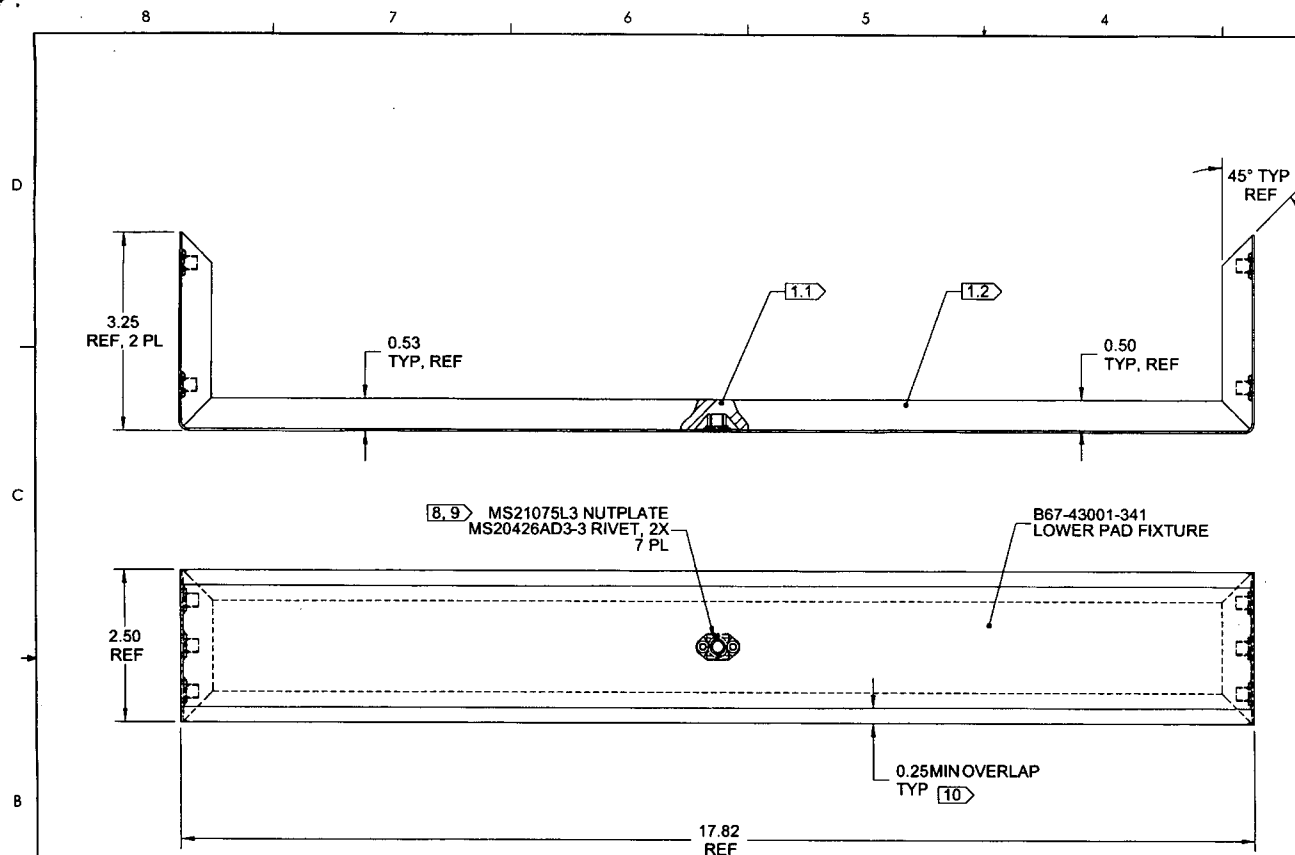
Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

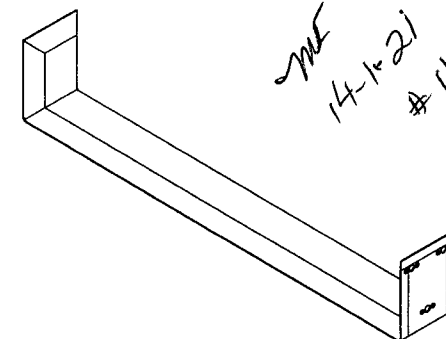
Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other _____ _____ _____
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ITEM	QTY -35	P/N	DESCRIPTION
1	X	B67-43001-35	LOWER PAD ASSEMBLY
2	1	B67-43001-341	LOWER PAD FIXTURE
3	7	MS21075L3	NUT PLATE
4	14	MS20426AD3-3	RIVET
5	A/R	1637-001	SEE NOTE 1.1
6	A/R	1495	SEE NOTE 1.2
7	A/R	LA4009	SEE NOTE 1.3
8	A/R	2530	SEE NOTE 1.4



B67-43001-35 LOWER PAD ASSEMBLY

NOTES:

1) MATERIAL:

1.1) FOAM: ETHYLENE PROPYLENE NEOPRENE SBR CLOSED-CELL, FLAME RETARDANT, 0.50 THICK, PER ASTM D1056 2A2, SERVICE TEMP -40°F TO +200°F, COLOUR: BLACK
REF. TULMAR P/N 1637-001

1.2) FABRIC: 100% 420 DENIER NYLON, MIN THREAD COUNT 35X35, POLYURETHANE COATED ONE SIDE, COLOUR: BLACK
REF. TULMAR P/N 1495

1.3) ADHESIVE: URETHANE WITH CATALYST, TWO PART, CLIFTON LA4009

1.4) THREAD: NYLON, BLACK, V-T-295 TYPE 2, CLASS A, SIZE F, 8-10 STITCHES PER INCH
REF. TULMAR P/N 2530

2) FINISH: BOND NEOPRENE TO COVER PLATE USING ADHESIVE. COVER WITH DENIER AS SHOWN.

3) TOLERANCES: PER TABLE 1 (ZN A3-1) UNLESS OTHERWISE NOTED

4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: N/A

6) IDENTIFICATION: N/A

7) WEIGHT: 0.30 lbs REF

8) NUTPLATES AND HOLES MUST BE FREE OF ADHESIVE AND FABRIC

9) IT IS ACCEPTABLE TO RELIEVE FOAM WHERE THE NUTPLATES ARE LOCATED TO ENSURE ADEQUATE BONDING OF FOAM TO PLATE

10) DENIER NYLON TO BE BONDED ALL AROUND INNER SIDE OF PLATE

RELEASED
2010-09-16

C	REDRAWN PREMIER AVIATION DRAWING IAW DART QSI 018, QSI 043 AND TULMAR SAFETY SYSTEMS INC.'S MANUFACTURING PROCESS AND TOLERANCES ON FABRIC. FOR PREVIOUS REVISIONS, REFER TO SHEET 40 OF PREMIER AVIATION DRAWING No. B67-43001. REASON: SEE PAR#09-011.	MB	10.04.27
REV.	DESCRIPTION	BY	DATE
DESIGN	R/W	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	REV. C SHEET 1 OF 1
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.	N/A	TITLE	SCALE NT
DATE	10.04.27	LOWER PAD ASSEMBLY	
COPYRIGHT © 1995 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE REPRODUCED OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

TABLE 1 3

TOLERANCES ON FABRIC (PARTS AND ASSEMBLIES)
±1/8: DIMS <2
±1/4: DIMS 2 TO <10
±1/2: DIMS 10 TO <20
±5/8: DIMS 20 TO <40
±1.5: DIMS EQUAL TO OR > 40

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

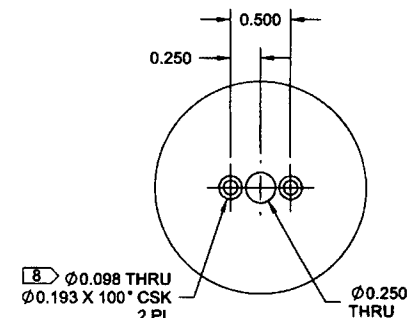
FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other _____ _____ _____
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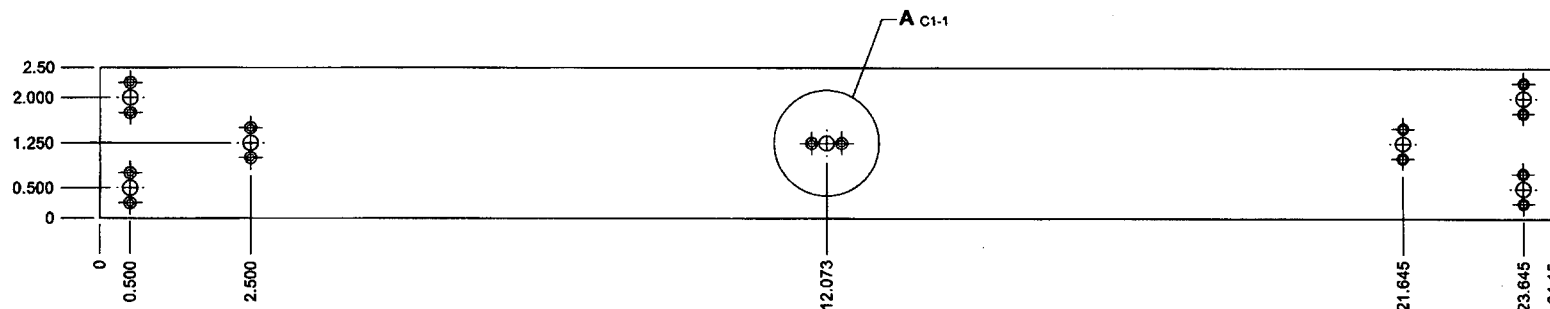
8 7 6 5 4 3 2 1



B67-43001-341 LOWER PAD FIXTURE (2)
(MAKE FROM B67-43001-341F)



DETAIL A C4-1
7 PL, SCALE 2X



B67-43001-341F FLAT PATTERN (1)

RELEASED
2010-09-16

NOTES:

- 1) MATERIAL: 2024-T3 ALUMINUM SHEET, 0.032 THICK
PER AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209
REF. DART SPEC. M2024T3S.032
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT GREEN SANDTEX (4.3.5.8) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "B67-43001-341" AND B/N "BXXXXX" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 0.19 lbs
- 8) CSK'S MUST FACE OUTSIDE ON FINISHED BENT PART

C	REDRAWN PREMIER AVIATION DRAWING IAW DART QSI 018 AND QSI 043. FOR PREVIOUS REVISIONS, REFER TO PREMIER AVIATION DRAWING No. B67-43001. REASON: SEE PAR#09-011.	MB	10.04.27
REV.	DESCRIPTION	BY	DATE
DESIGN	RW		
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.	N/A		
DATE	10.04.27		

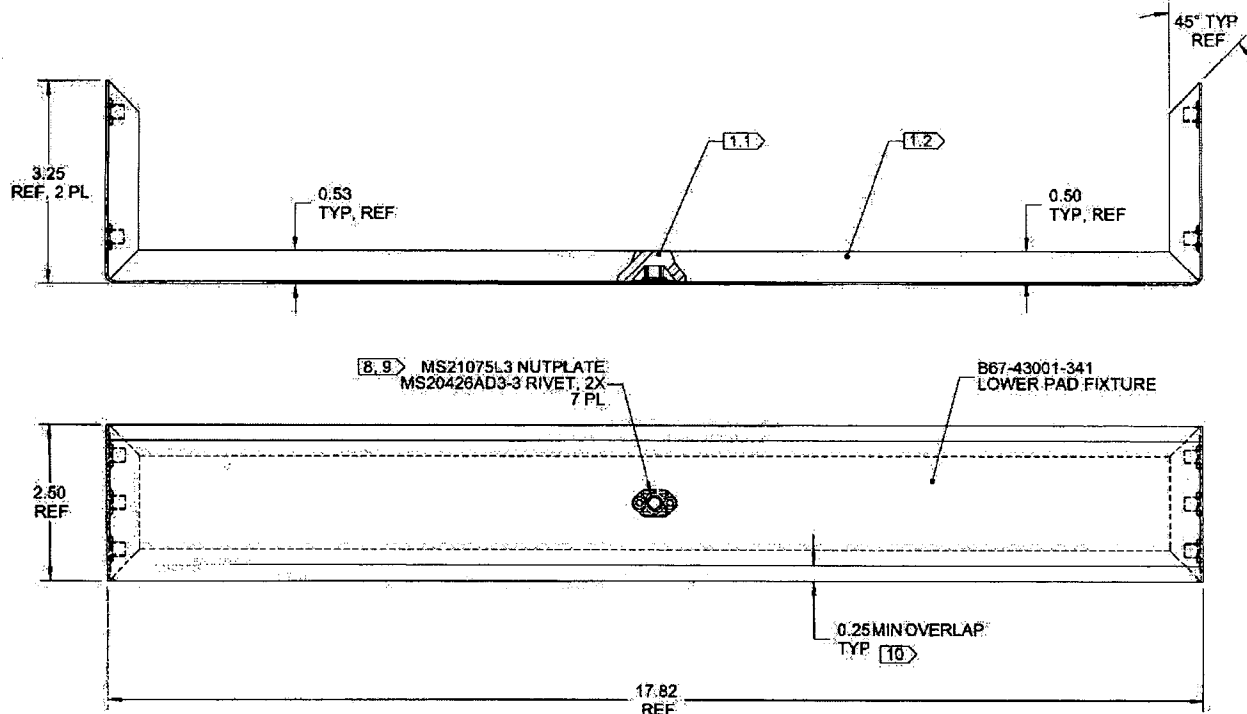
DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **B67-43001-341** REV. C
SHEET 1 OF 1
TITLE **LOWER PAD FIXTURE** SCALE NTS

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8 7 6 5 4 3 2 1

ITEM	QTY -35	P/N	DESCRIPTION
1	X	B67-43001-35	LOWER PAD ASSEMBLY
2	1	B67-43001-341	LOWER PAD FIXTURE
3	7	MS21075L3	NUT PLATE
4	14	MS20426AD3-3	RIVET
5	A/R	1637-001	SEE NOTE 1.1
6	A/R	1495	SEE NOTE 1.2
7	A/R	LA4009	SEE NOTE 1.3
8	A/R	2530	SEE NOTE 1.4



B67-43001-35 LOWER PAD ASSEMBLY

- NOTES:**
- MATERIAL:** FOAM, SBR/EPDM/CR BLEND, BLACK, ASTM D1056 2A2, 1/2" THK.
 - 1.1) FOAM:** BRITTLENESS TEMP OF -40°F, IAW ASTM D 746, FMVSS 302.
 - 1.2) FABRIC:** 100% 420 DENIER NYLON, MIN THREAD COUNT 35X35, POLYURETHANE COATED ONE SIDE, COLOUR: BLACK, REF: TULMAR P/N 1495
 - 1.3) ADHESIVE:** URETHANE WITH CATALYST, TWO PART, CLIFTON LA4009 OR LA4009NOVOC.
 - 1.4) THREAD:** NYLON, BLACK, V-T-295 TYPE 2, CLASS A, SIZE F, 8-10 STITCHES PER INCH, REF: TULMAR P/N 2530
 - 2) FINISH:** BOND NEOPRENE TO COVER PLATE USING ADHESIVE. COVER WITH DENIER AS SHOWN.
 - 3) TOLERANCES:** PER TABLE 1 (ZN A3-1) UNLESS OTHERWISE NOTED
 - 4) UNITS:** INCHES UNLESS OTHERWISE NOTED.
 - 5) BREAK SHARP EDGES:** N/A
 - 6) IDENTIFICATION:** N/A
 - 7) WEIGHT:** 0.30 lbs REF.
 - 8) NUTPLATES AND HOLES MUST BE FREE OF ADHESIVE AND FABRIC.**
 - 9) IT IS ACCEPTABLE TO RELIEVE FOAM WHERE THE NUTPLATES ARE LOCATED TO ENSURE ADEQUATE BONDING OF FOAM TO PLATE**
 - 10) DENIER NYLON TO BE BONDED ALL AROUND INNER SIDE OF PLATE**

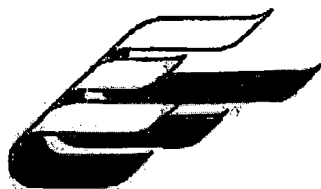
TULMAR MARK-UP
REV I
03/03/2014 RL

RELEASED
R 2010-09-16

C	REDRAWN PREMIER AVIATION DRAWING IAW DART QSI 018, QSI 043 AND TULMAR SAFETY SYSTEMS INC'S MANUFACTURING PROCESS AND TOLERANCES ON FABRIC. FOR PREVIOUS REVISIONS, REFER TO SHEET 40 OF PREMIER AVIATION DRAWING No. B67-43001. REASON: SEE PAR#09-011.	MB	10.04.27
REV.	DESCRIPTION	BY	DATE
DESIGN	R/W		
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.	N/A		
DATE	10.04.27		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. B67-43001-35 TITLE LOWER PAD ASSEMBLY REV. C SHEET 1 OF 1 SCALE NTS COPYRIGHT © 1995 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE LOANED, REPRODUCED OR COPIED OR DISSEMINATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

TABLE 1 [3]

TOLERANCES ON FABRIC (PARTS AND ASSEMBLIES)
±1/8: DIMS <2
±1/4: DIMS 2 TO <10
±1/2: DIMS 10 TO <20
±5/8: DIMS 20 TO <40
±1.5%: DIMS EQUAL TO OR > 40



J. ENNIS FABRICS

October 7, 2013

Fax To: Tulmar Safety Systems
Fax: 613-632-2030
Attention: Meagan

Certificate of Conformance

Re: PO 26380-00 for Oxford 7 Black

The goods shipped on P/O 26380-00 are as per sampled goods. Specification as follows:
As per mill documentation:

Oxford 7 Black is in compliance with the following standards:

Width: Product is 58 Inches Wide.

Roll Size: Average Roll Length is 75 Yards.

Weight: Product Weight is 6.79 Ounces per Sq.Yd. /Product Weight is 10.94 oz per Lin.Yd

Content: 100% Nylon

Coating: Product has a Polyurethane Coating (approximately 0.65 oz/ Sq.Yd. (18.5g/sq.yd.))

Denier: Yarn is 420 Denier.

Thread Count: Construction is 62 x 38 Threads per Square Inch

Protective Finish: Product is Water Repellent.

Hydro Resist: AATCC 127 (Suter): Average 800 mm

Piece # Various Manufacture Date: 05/17/13, Lot Number: 422038

Sincerely,
J. Ennis Fabrics Ltd.

C. Harris

Crystal Harris
Customer Service Specialist

TSS 8421-109

DWG B67-43001-35+M4

1495/29.

SN



**RUBBER & FOAM
GASKETS INC.**



CERTIFICATE OF COMPLIANCE.

TO:

QUALITY CONTROL
TULMAR SAFETY SYSTEMS INC
1123 CAMERON STREET
HAWKESBURY, ONTARIO
K6A 2B8

Customer P.O. :- 25932-00

Part No. :- 1637-001

Quantity :- 1 SHEET.

Sales Order :- 7799

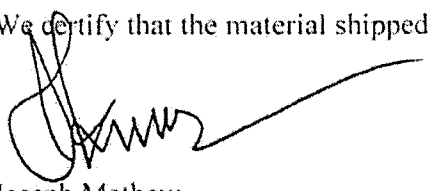
Density : 7 +/- 3 lb/sq.feet.

Hardness : Durometer 00, 52 +/- 18

Manufacturing Lot :- M10031105071

Material : CLOSED CELL NEPRENE/EPDM/SBR TO ASTM D 1056- 2A2
SERVICE TEM: -40C TO 200 F
FLAMABILITY RATING: FMVSS3302 – PASS.

We certify that the material shipped as noted above meets the requirements.


Joseph Mathew
(Quality Control Manager (08/19/2013))

AUG 28 2013



TSS 1637-001
B#4

TULMAR

Tulmar Safety Systems Inc.
1123 Cameron Street
Hawkesbury, ON K6A 2B8
Canada
PST 6879 7176
Tel: 613-632-1282
Fax: 613-632-2030

alyse@tulmar.com

Purchase order

PO number

25932-00

The P.O. Number must appear
on all related correspondence,
shipping papers and invoices.

PO date

8/13/2013

Page

Page 1 of 1

Order type

Normal

Ordered From

AM Rubber & Foam Gaskets Inc.
2074 Steeles Ave, East
Units 1&2
Brampton, ON L6T 4Z9
Canada
Joseph Mathew
joemathew@amrubber.ca

Ship to

Tulmar Safety Systems Inc.
1123 Cameron Street

Hawkesbury, ON K6A 2B8
CA

Buyer

Elyse Timbers

Terms

Net 30 Days

Ack / Con

Yes Yes

FOB

Origin

Ship via

Fedex

PPD/COL

Collect

Line No	Qty Ordered	UOM	Our Item Number/Description	Your Item Number	Unit price	Extended Price	Requested
1	1.00	SH	1637-001 Foam, SBR, Closed Cell ASTM D1056 2A2, 1/2", 42"x72" Ethylene propylene neoprene Flame retardant, service temp -40°F to +200°F Quality Clause: GrBT3		80.0000	80.00	14-Aug-2013

3/04

Total Extended Price CAD = 80.00

Total Applicable Taxes = 10.40

It is the supplier's responsibility to obtain a copy of Tulmar's Quality Clauses by visiting the supplier page on our website. www.tulmar.com
Charges for any insured shipments will be refused. Do not enter a declared/carriage value.

Consolidate items unless otherwise stated.

JS suppliers must include a NAFTA certificate and Canada Customs invoice with every shipment.

Comments

COC - email to sqa@tulmar.com
Cert. of Origin with shipment

TULMAR

Certificate of Conformance

Tulmar P/N 2530	Description Thread, Nylon, Black, A-A-56826, T17, C/A Size F, One-Way Closure - Gr0, Country of Origin USA - NS C0802	Dwg #	Revision	Qty 40 Sp1
Tulmar PO # 27000-00	Line Item # 1	Supplier Name / Address CANSEW INC, 111 Chabanel West, Suite 101, Montreal, Que., H2N 1C9		Supplier Packing Slip # H66082

Supplier Declarations:

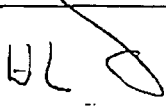
Hazardous Materials Acknowledgement	The items described below may contain, and their processing may have included, the following substances:	Hexavalent Chromium; Cadmium; Beryllium; Nickel; Mercury; Lead; Asbestos; Radioactive elements YES ☐ NO ☒
Country of Origin of Goods : USA		if YES, please complete the HazMat Acknowledgement form @ www.tulmar.com
Limited Shelf-Life	<u>Definition:</u> If material is consumed or transformed into final product before end of shelf-life there is no effect on final product.	These items have a limited Shelf-Life YES ☐ NO ☒
Expiry date	<u>Definition:</u> Date after which performance will no longer be as intended - expiration is transferred to the final product.	These items have an expiry date YES ☐ NO ☒

if YES, please complete the Time Expired - Shelf-Life questionnaire @ www.tulmar.com

Additional Information (MRS#, MRA#, limitations, etc...):

--

I hereby certify that the goods listed hereon have been inspected and/or tested, as applicable, and conform to all specifications and requirements detailed in the contract or purchase order and relevant quality clauses. Objective evidence to support this statement is on file and can be made available upon request. Should further information be required, please contact:

Signature 	Name Hershie Schachter	Date (DD-MMM-YYYY) 28-Jan-2014
Title President	Email hershie@cansew.ca	Phone # (514) 382-2807

Form Revision 13 Aug 2012

2530/53 (SN)

**ROYAL****ADHESIVES & SEALANTS, LLC***Aerospace & Marine Inflatable Adhesives & Coatings Division*

Date: 11/18/13

LA4009

Shipper #: 755

Certificate of Compliance

This letter certifies that 110 x 1 gallon cans of LA4009 Polyurethane Adhesive,

****Drawing No: (Ref 10557979)**

lot number: PNJ-1113-041 was shipped to you on 11/18/13. ****DWG REV: "A" Royal Adhesive & Sealants,**

LLC - Aerospace & Marine Inflatable Adhesives & Coatings Division manufactured this material according to internal specifications which include quality control and assurance procedures. The material was manufactured on 10/22/13 against your Purchase Order # 26618.

Shelf Life: 1 year from date of manufacture

Expiration Date: 10/22/14

This letter certifies that 19 x quart cans of CATUV Accelerator, Lot number PNJ-1113-040 was shipped to you

on 11/18/13. Royal Adhesive & Sealants, LLC - Aerospace & Marine Inflatable Adhesives & Coatings

Division manufactured this material according to internal specifications which include quality control and assurance procedures. The material was manufactured on 11/14/13 against your Purchase Order # 26618.

Shelf Life: 1 year from date of manufacture

Expiration Date: 11/14/14

Sincerely,

Dan Constantino

Daniel Constantino

Royal Adhesives & Sealants, LLC - Aerospace & Marine Inflatable Adhesives & Coatings Division
48 Burgess Place Wayne, New Jersey 07470 Phone: 973-694-0845 Fax: 973-694-3678

TSS 7122/59

TSS 7122-501/10 (8)

PACKING SLIP

TULMAR

Tulmar Safety Systems Inc.
1123 Cameron Street
Hawkesbury, ON K6A 2B8 CA
Tel: 613-632-1282
Fax: 613-632-2030
MID : XOTULSAF1123HAW
email: info@tulmar.com

Packing Slip No.

51451

Ship Date

26-Mar-14

Bill To:

Dart Aerospace
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7. Canada

Ship to:

Dart Aerospace
1270 Aberdeen Street
Att: Chantal Lavoie
Tel: 613-632-9577
Hawkesbury, ON K6A 1K7. Canada

Order number	Sales order date	Account number	Account manager
31582	14-Feb-14	CDART100	Helena Vandeweerd
PO number	Ship Via	Shipping Terms	
PO22997	Pick-Up	FOB HAWKESBURY	
Item No.	Quantity ordered	UOM	Qty Shipped/Returned
Description			Quantity on back order

QA -A027 waived
Note = Foam & Fabric as per Dwg

8421-107
Dart Blade Fold Kit - Pad #8/
Drawing No: B67-43001-33+MU1
DWG Rev: C+1
A004 A005 A007 A016 A026 A040 A041
Lot No: BATCH00000000007 Qty: 18

18 EA 18 ✓

8421-109
Dart Blade Fold Kit - Pad #10/
Drawing No: B67-43001-35+ MU
DWG Rev: C+1
A004 A005 A007 A016 A026 A040 A041
Lot No: BATCH00000000007 Qty: 18

18 EA 18 ✓

Shipper

Link Road

Date:

MAR 26 2014

Certificate of Conformance

☒ See Certification Enclosed

I hereby certify that the items listed hereon have been inspected, and / or tested (as applicable), conform to all specifications and requirements detailed in the contract or purchase order. Objective evidence to support this statement is on file, and can be made available upon request.
If any questions or concerns, please contact QA Manager @ 613-632-1282 ext. 245.

Authorized Inspector

Louise Lalonde

Date:

MAR 26 2014



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO22997

Purchase Order Date 2/13/2014

PO Print Date 3/4/2014

Page Number 1 of 2

Order From :

VC-TUL001

Ship To : DART AEROSPACE LTD

TULMAR SAFETY SYSTEMS
1123 CAMERON ST
HAWKESBURY, ON K6A 2B8
CA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

REVISED

Contact Name

Vendor Phone 613 632 1282

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Ship To Contact

Ship To Phone

Ship Via:

VENDOR'S TRUCK

Ship Acct:

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Pri
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1	111763	PB67-43001-33 UPPER PAD ASSEMBLY	3/7/2014 Yes 3/28/2014		18.00 ✓	\$75.00	\$1,350.00
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FOAM AND FABRIC AS PER DWG *REV.C+1*

NOTE: ACCEPTABLE DEVIATION PART ARE NOT AIRWORTHY

FOAM, SBR/EPDM/CR BLEND BLACK, ASTM D1056 2A2, 1/2" THK BRITTLNESS TEMP. OF-40F, IAW ASTM D 746, FMVSS 302
ADHESIVE: LA4009NOVOC

Line Total: \$1,350.00

2	111762	PB67-43001-35 LOWER PAD ASSEMBLY	3/7/2014 Yes 3/28/2014		18.00 ✓	\$100.00	\$1,800.00
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FOAM AND FABRIC AS PER DWG *REV.C+1*

NOTE: ACCEPTABLE DEVIATION PART ARE NOT AIRWORTHY

FOAM, SBR/EPDM/CR BLEND BLACK, ASTM D1056 2A2, 1/2" THK BRITTLNESS TEMP. OF-40F, IAW ASTM D 746, FMVSS 302
ADHESIVE: LA4009NOVOC

Spcl-3-27

PO Instructions: Procurement Quality Clauses

A004 faa-pma/tso

A005 right of entry

A007 first article inspection (fai)

A016 personnel qualification

A026 certification of material conformance

A027 flammability test *done*

A040 notification of quality escape

A041 quality ma

Approved
14/3/14